



**US Army Corps  
of Engineers®**



## Indiana Harbor, IN

### **Project Features**

- Located on Lake Michigan in the City of East Chicago, Lake County, Indiana.
- Authorization: Rivers and Harbors Acts of 1910, 1913, 1919, 1922, 1930, 1935, 1937 and 1960.
- Controlling depths are -29 ft. L.W.D in the approach channel, -28 ft. in the turning basin, -27 ft. in the outer dock area, and -22 ft. within the main and two branch channels.
- 45<sup>th</sup> leading U.S. port with 14.1M tons of material shipped or received in 2005
- Ranked 2<sup>nd</sup> in tonnage among the 25 Federal commercial harbors on Lake Michigan, and 4<sup>th</sup> in tonnage of the 62 Federal commercial harbors on the Great Lakes.
- 3,085 linear feet of laid-up stone and concrete caisson breakwater structures.
- 4.7 miles of Federal Channel combined within the Indiana Harbor Canal, the Calumet River Branch, and the Lake George Branch.
- A confined disposal facility (CDF) is under construction on the L. George branch.
- Major stakeholders include Mittal Steel, US Gypsum, LaFarge Cement, and Amoco.

### **Project Needs**

- The project has not been dredged since 1972 due to the lack of a suitable disposal facility for the highly contaminated sediment. Average shoaling depth in the channel areas is 3.0'.
- The capacity of the new CDF will be 4.8M cubic yards. It will accommodate the backlog, anticipated dredging at non-federal areas, and maintenance dredging for 20 years.
- Indiana Harbor is one of the 43 areas of concern (AOC) identified by the International Joint Committee for the Great Lakes. The harbor is the only AOC that fails all fourteen criteria established by USEPA.
- Harbor clean-up dredging was scheduled to begin in 2009 after completion of the CDF. Constrained federal funding levels for CDF construction will further delay this effort.



### **Consequences of Not Maintaining the Project**

- Light loading - loss of between 3 and 5 feet of channel depth due to shoaling and lake level results in increased transportation costs of between \$7.6M and \$14.7M annually.

### **Transportation Importance**

- Commodities are iron ore, limestone, coke, gypsum, steel, cement and concrete, petroleum products, and miscellaneous bulk products.
- Mittal's Indiana Harbor facility is the largest steelmaking complex in North America. It is fully integrated; operating five blast furnaces, and has a total raw steelmaking capability of 10M tons annually. Products produced are hot-rolled, cold-rolled and hot-dipped galvanized sheet products. The markets served include automotive, appliance, agricultural, construction, line and pipe tube, electrical/motor lamination, converters and steel service centers.
- Bulk commodities that pass through Indiana Harbor generate nearly \$321M annually in direct revenue which supports nearly 4,600 jobs.
- These jobs generate nearly \$169M per year in personal income.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2007, 2008 and 2009  
Indiana Harbor, IN Project Needs and President's Budget (\$1,000)**

<b>Harbor Operations Work Packages</b>	<b>FY07 Need</b>	<b>FY07 Work Plan</b>	<b>FY08 Need</b>	<b>FY08 Budget</b>	<b>FY09 Need</b>	<b>FY09 Budget*</b>
Project Condition Surveys	145	0	150	150	150	
CDF Operations Plan Development	295	295				
CDF Operations Contract Assembly			610	610		
P&S for Dredging	250	250			660	
CDF Site Operations					2,400	
<b>TOTALS</b>	<b>690</b>	<b>545</b>	<b>760</b>	<b>760</b>	<b>3,210</b>	

<b>Confined Disposal Facility Work Packages</b>	<b>FY07 Need</b>	<b>FY07 Work Plan</b>	<b>FY08 Need</b>	<b>FY08 Budget</b>	<b>FY09 Need</b>	<b>FY09 Budget*</b>
CDF Dikes 2 Construction	3,050	3,050				
CDF Dikes 3 & Interior Layout P&S and Construction	8,550	3,500	5,050	5,050		
CDF Groundwater Gradient Control System P&S and Construction	14,950	6,050	9,150	3,265	5,885	
CDF Groundwater Treatment Plant P&S, Construction/Operation	2,500	2,500	2,500	0	2,500	
CDF South Cutoff Wall P&S and Construction	13,050	3,750	9,050	9,050		
CDF Air Monitoring – Present Activities and Future Plan	1,000	1,000	700	700		
CDF Waste Water Treatment Plant P&S	400	400				
CDF Waste Water Treatment Plant Construction			10,350		10,350	
<b>TOTALS</b>	<b>43,500</b>	<b>20,250</b>	<b>36,800</b>	<b>18,065</b>	<b>18,735</b>	

\* President's Budget will be available in February 2008

